

ULTRA PRO™ & ULTRA PRO HD™ LED PAR Lamps Made-To-Order Lamps



Key Features & Benefits

- Lead time: 90 days
- Min. order quantity: 750 units
- Attractive directional light
- Extensive new portfolio
- CRI: 80+ and 90+
- CCT: 2700K, 3000K, 3500K, 4000K
- Beam angles: 12°, 15°, 25°, 40°
- Dimmable down to 5% on select dimmers*
- Design life: 50,000 hours (L₇₀)**
- Damp rated
- Energy savings up to 86%
- Longer life than traditional halogen lamps
- No warm-up time, instant on with full light output and stable color
- 90+ CRI product offering compliant with "California Quality" specification
- 5 year warranty

* Performance may vary depending on dimmer used in application. Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit www.sylvania.com/LEDretrofit
** Rated life: 25,000 hours (L₇₀)



ULTRA PRO & ULTRA PRO HD LED PAR lamps offer extreme energy efficiency, high power factor and beam characteristics that closely match halogen PAR lamps featuring a high center beam candlepower and soft edges. This lamp family offers an extensive selection of lamps with four PAR lamp categories, four color temperatures and four beam angles. For those color critical applications, this offering provides a 90+, as well as an 80+ color rendering index. The high R9 (R9 up to 85) feature enhances warm color palettes and makes whites more crisp, making them ideal for hospitality, healthcare and retail applications. With efficiencies up to 90 lumens per watt, ULTRA PRO and ULTRA HD PRO LED lamps are an ideal part of any energy conservation strategy.

Application Information

Applications

- General lighting
- Recessed downlights
- Track lighting
- Wall washer

Market Segments

- Art galleries
- Hospitality
- Museums
- Offices
- Residential
- Restaurants
- Retail

Product Offering

| Ordering Abbreviation | Wattage | Beam Angle | Color Temperature | CRI |
|-----------------------|---------|--------------------|----------------------------|----------|
| PAR20 LED | 7, 8 | 15°, 25°, 40° | 2700K, 3000K, 3500K, 4000K | 80+, 90+ |
| PAR30 LED | 10, 11 | 12°, 15°, 25°, 40° | 2700K, 3000K, 3500K, 4000K | 80+, 90+ |
| PAR30LN LED | 13 | 12°, 15°, 25°, 40° | 2700K, 3000K, 3500K, 4000K | 80+, 90+ |
| PAR38 LED | 17, 18 | 12°, 15°, 25°, 40° | 2700K, 3000K, 3500K, 4000K | 80+, 90+ |

Application Notes

1. Operating Temperature: -4°F to 104°F (-20°C to +40°C)
2. Not for use with emergency light fixtures or exit lights
3. Can be used in enclosed fixtures
4. Suitable for use in UL rated fixture where protected from the weather
5. Consult sales representative for alternative heat sink color
6. For lamp warranty information please visit: www.sylvania.com/warranty
7. All PAR lamps from OSRAM SYLVANIA use polymethyl methacrylate (PMMA) for their lenses. It is a transparent thermoplastic often used as a lightweight, shatter-resistant alternative to glass.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For FCC Part 15 user information, please see www.sylvania.com/fcc15b



| | |
|-------------|------|
| Catalog # | Type |
| Project | |
| Comments | |
| Prepared by | |

Ordering Information

| Item Number | Ordering Abbreviation | Wattage (W) | Replaces | Input Volts | CCT | Typical Lumens | LPW | CBCP | CRI | Beam Angle | R9 | Power Factor | ENERGY STAR® |
|------------------------|-------------------------------|-------------|----------|-------------|-------|----------------|-----|---------|-----|------------|----|--------------|--------------|
| PAR20 CRI 80+ | | | | | | | | | | | | | |
| 79023 | LED8PAR20/PRO/827/WSP15/P3 | 8 | 50W | 120 | 2700K | 520 | 65 | 5700cd | 82 | 15° | 10 | 0.95 | Pending |
| 79019 | LED8PAR20/PRO/830/WSP15/P3 | 8 | 50W | 120 | 3000K | 550 | 68 | 5800cd | 82 | 15° | 15 | 0.95 | Pending |
| 79033 | LED8PAR20/PRO/835/WSP15/P3 | 8 | 50W | 120 | 3500K | 575 | 72 | 6000cd | 82 | 15° | 15 | 0.95 | Pending |
| 79026 | LED8PAR20/PRO/840/WSP15/P3 | 8 | 50W | 120 | 4000K | 630 | 79 | 6700cd | 82 | 15° | 20 | 0.95 | Pending |
| 79027 | LED7PAR20/PRO/840/NFL25/P3 | 7 | 50W | 120 | 4000K | 630 | 90 | 2800cd | 84 | 25° | 10 | 0.95 | Yes |
| 79028 | LED7PAR20/PRO/840/FL40/P3 | 7 | 50W | 120 | 4000K | 630 | 90 | 1275cd | 84 | 40° | 10 | 0.95 | Yes |
| PAR20 CRI 90+ | | | | | | | | | | | | | |
| 78996 | LED8PAR20/PRO/927/WSP15/P3 | 8 | 50W | 120 | 2700K | 445 | 56 | 5000cd | 95 | 15° | 85 | 0.95 | Pending |
| 78997 | LED7PAR20/PRO/927/NFL25/P3 | 7 | 50W | 120 | 2700K | 445 | 64 | 2050cd | 94 | 25° | 55 | 0.95 | Yes |
| 79060 | LED8PAR20/PRO/940/WSP15/P3 | 8 | 50W | 120 | 4000K | 530 | 66 | 5800cd | 95 | 15° | 85 | 0.95 | Pending |
| PAR30 CRI 80+ | | | | | | | | | | | | | |
| 79003 | LED11PAR30/PRO/827/SP12/P3 | 11 | 50W | 120 | 2700K | 720 | 65 | 10400cd | 82 | 12° | 10 | 0.97 | Pending |
| 79004 | LED11PAR30/PRO/827/WSP15/P3 | 11 | 50W | 120 | 2700K | 720 | 65 | 7200cd | 82 | 15° | 10 | 0.97 | Pending |
| 78879 | LED11PAR30/PRO/830/SP12/P3 | 11 | 50W | 120 | 3000K | 785 | 71 | 7200cd | 82 | 12° | 15 | 0.97 | Pending |
| 78880 | LED11PAR30/PRO/830/WSP15/P3 | 11 | 50W | 120 | 3000K | 785 | 71 | 7800cd | 82 | 15° | 5 | 0.97 | Pending |
| 79029 | LED11PAR30/PRO/835/SP12/P3 | 11 | 50W | 120 | 3500K | 790 | 72 | 11500cd | 82 | 12° | 15 | 0.97 | Pending |
| 79030 | LED11PAR30/PRO/835/WSP15/P3 | 11 | 50W | 120 | 3500K | 790 | 72 | 8000cd | 82 | 15° | 10 | 0.97 | Pending |
| 79007 | LED11PAR30/PRO/840/SP12/P3 | 11 | 50W | 120 | 4000K | 830 | 75 | 12000cd | 82 | 12° | 20 | 0.97 | Pending |
| 79008 | LED11PAR30/PRO/840/WSP15/P3 | 11 | 50W | 120 | 4000K | 830 | 75 | 8300cd | 82 | 15° | 10 | 0.97 | Pending |
| 79009 | LED10PAR30/PRO/840/NFL25/P3 | 10 | 50W | 120 | 4000K | 830 | 83 | 3300cd | 84 | 25° | 10 | 0.97 | Yes |
| 79010 | LED10PAR30/PRO/840/FL40/P3 | 10 | 50W | 120 | 4000K | 830 | 83 | 2000cd | 84 | 40° | 10 | 0.97 | Yes |
| PAR30 CRI 90+ | | | | | | | | | | | | | |
| 79048 | LED11PAR30/PRO/927/SP12/P3 | 11 | 50W | 120 | 2700K | 660 | 60 | 9000cd | 95 | 12° | 85 | 0.97 | Pending |
| 79049 | LED11PAR30/PRO/927/WSP15/P3 | 11 | 50W | 120 | 2700K | 660 | 60 | 6200cd | 95 | 15° | 85 | 0.97 | Pending |
| 79050 | LED10PAR30/PRO/927/NFL25/P3 | 10 | 50W | 120 | 2700K | 620 | 62 | 2450cd | 94 | 25° | 55 | 0.97 | Yes |
| 79051 | LED10PAR30/PRO/927/FL40/P3 | 10 | 50W | 120 | 2700K | 620 | 62 | 1400cd | 94 | 40° | 55 | 0.97 | Yes |
| 79044 | LED11PAR30/PRO/930/SP12/P3 | 11 | 50W | 120 | 3000K | 750 | 68 | 12000cd | 92 | 12° | 55 | 0.97 | Pending |
| 79056 | LED11PAR30/PRO/935/SP12/P3 | 11 | 50W | 120 | 3500K | 775 | 70 | 12500cd | 92 | 12° | 55 | 0.97 | Pending |
| 79052 | LED11PAR30/PRO/940/SP12/P3 | 11 | 50W | 120 | 4000K | 700 | 64 | 10700cd | 95 | 12° | 85 | 0.97 | Pending |
| 79053 | LED11PAR30/PRO/940/WSP15/P3 | 11 | 50W | 120 | 4000K | 700 | 67 | 7400cd | 95 | 15° | 85 | 0.97 | Pending |
| 79054 | LED10PAR30/PRO/940/NFL25/P3 | 10 | 50W | 120 | 4000K | 700 | 70 | 2800cd | 94 | 25° | 75 | 0.97 | Yes |
| 79055 | LED10PAR30/PRO/940/FL40/P3 | 10 | 50W | 120 | 4000K | 700 | 70 | 1600cd | 94 | 40° | 75 | 0.97 | Yes |
| PAR30LN CRI 80+ | | | | | | | | | | | | | |
| 78713 | LED13PAR30LN/PRO/827/SP12/P3 | 13 | 75W | 120 | 2700K | 800 | 62 | 11600cd | 82 | 12° | 10 | 0.97 | Pending |
| 78714 | LED13PAR30LN/PRO/827/WSP15/P3 | 13 | 75W | 120 | 2700K | 930 | 72 | 6500cd | 84 | 15° | 10 | 0.97 | Yes |
| 79107 | LED13PAR30LN/PRO/830/SP12/P3 | 13 | 75W | 120 | 3000K | 880 | 68 | 12700cd | 82 | 12° | 15 | 0.97 | Pending |
| 79108 | LED13PAR30LN/PRO/830/WSP15/P3 | 13 | 75W | 120 | 3000K | 1000 | 77 | 7200cd | 84 | 15° | 5 | 0.97 | Yes |
| 78697 | LED13PAR30LN/PRO/835/WSP15/P3 | 13 | 75W | 120 | 3500K | 1050 | 80 | 8370cd | 84 | 15° | 10 | 0.97 | Yes |
| 78707 | LED13PAR30LN/PRO/840/SP12/P3 | 13 | 75W | 120 | 4000K | 925 | 71 | 13400cd | 82 | 12° | 20 | 0.97 | Pending |
| 78708 | LED13PAR30LN/PRO/840/WSP15/P3 | 13 | 75W | 120 | 4000K | 1100 | 85 | 7700cd | 84 | 15° | 10 | 0.97 | Pending |
| 78709 | LED13PAR30LN/PRO/840/NFL25/P3 | 13 | 75W | 120 | 4000K | 1100 | 85 | 4700cd | 84 | 25° | 10 | 0.97 | Yes |
| 78710 | LED13PAR30LN/PRO/840/FL40/P3 | 13 | 75W | 120 | 4000K | 1100 | 85 | 2300cd | 84 | 40° | 10 | 0.97 | Yes |
| PAR30LN CRI 90+ | | | | | | | | | | | | | |
| 79015 | LED13PAR30LN/PRO/927/SP12/P3 | 13 | 75W | 120 | 2700K | 700 | 53 | 10000cd | 95 | 12° | 85 | 0.97 | Pending |
| 79016 | LED13PAR30LN/PRO/927/WSP15/P3 | 13 | 65W | 120 | 2700K | 810 | 62 | 5600cd | 94 | 15° | 55 | 0.97 | Yes |
| 79017 | LED13PAR30LN/PRO/927/NFL25/P3 | 13 | 75W | 120 | 2700K | 810 | 62 | 3500cd | 94 | 25° | 55 | 0.97 | Yes |
| 79018 | LED13PAR30LN/PRO/927/FL40/P3 | 13 | 75W | 120 | 2700K | 810 | 62 | 1675cd | 94 | 40° | 55 | 0.97 | Yes |
| 79011 | LED13PAR30LN/PRO/930/SP12/P3 | 13 | 75W | 120 | 3000K | 850 | 65 | 13500cd | 92 | 12° | 55 | 0.97 | Pending |
| 79040 | LED13PAR30LN/PRO/935/SP12/P3 | 13 | 75W | 120 | 3500K | 875 | 67 | 14000cd | 92 | 12° | 55 | 0.97 | Pending |
| 79041 | LED13PAR30LN/PRO/935/WSP15/P3 | 13 | 75W | 120 | 3500K | 875 | 67 | 6300cd | 94 | 15° | 65 | 0.97 | Yes |
| 79036 | LED13PAR30LN/PRO/940/SP12/P3 | 13 | 75W | 120 | 4000K | 830 | 64 | 12000cd | 95 | 12° | 85 | 0.97 | Pending |
| 79037 | LED13PAR30LN/PRO/940/WSP15/P3 | 13 | 75W | 120 | 4000K | 900 | 69 | 6500cd | 94 | 15° | 70 | 0.97 | Yes |
| 79038 | LED13PAR30LN/PRO/940/NFL25/P3 | 13 | 75W | 120 | 4000K | 900 | 69 | 3900cd | 94 | 25° | 70 | 0.97 | Yes |
| 79039 | LED13PAR30LN/PRO/940/FL40/P3 | 13 | 75W | 120 | 4000K | 900 | 69 | 1880cd | 94 | 40° | 70 | 0.97 | Yes |
| PAR38 CRI 80+ | | | | | | | | | | | | | |
| 78454 | LED18PAR38/PRO/827/SP12/P3 | 18 | 90W | 120 | 2700K | 1125 | 63 | 16000cd | 82 | 12° | 10 | 0.97 | Pending |
| 78455 | LED17PAR38/PRO/827/WSP15/P3 | 17 | 75W | 120 | 2700K | 1150 | 68 | 8000cd | 84 | 15° | 10 | 0.97 | Yes |
| 78450 | LED18PAR38/PRO/830/SP12/P3 | 18 | 90W | 120 | 3000K | 1250 | 69 | 18000cd | 82 | 12° | 15 | 0.97 | Pending |
| 78451 | LED17PAR38/PRO/830/WSP15/P3 | 17 | 90W | 120 | 3000K | 1275 | 75 | 8750cd | 84 | 15° | 5 | 0.97 | Yes |
| 78476 | LED18PAR38/PRO/835/SP12/P3 | 18 | 90W | 120 | 3500K | 1275 | 71 | 18500cd | 82 | 12° | 15 | 0.97 | Pending |
| 78477 | LED17PAR38/PRO/835/WSP15/P3 | 17 | 90W | 120 | 3500K | 1300 | 76 | 9450cd | 84 | 15° | 10 | 0.97 | Yes |
| 78458 | LED18PAR38/PRO/840/SP12/P3 | 18 | 90W | 120 | 4000K | 1300 | 72 | 18850cd | 82 | 12° | 20 | 0.97 | Pending |
| 78459 | LED17PAR38/PRO/840/WSP15/P3 | 17 | 90W | 120 | 4000K | 1400 | 82 | 9265cd | 84 | 15° | 10 | 0.97 | Yes |
| 78460 | LED17PAR38/PRO/840/NFL25/P3 | 17 | 90W | 120 | 4000K | 1400 | 82 | 5720cd | 84 | 25° | 10 | 0.97 | Yes |
| 78461 | LED17PAR38/PRO/840/FL40/P3 | 17 | 90W | 120 | 4000K | 1400 | 82 | 2800cd | 84 | 40° | 10 | 0.97 | Yes |

PAR38 CRI 90+

| | | | | | | | | | | | | | |
|-------|-----------------------------|----|-----|-----|-------|------|----|---------|----|-----|----|------|---------|
| 78466 | LED18PAR38/PRO/927/SP12/P3 | 18 | 90W | 120 | 2700K | 980 | 54 | 14000cd | 95 | 12° | 85 | 0.97 | Pending |
| 78467 | LED17PAR38/PRO/927/WSP15/P3 | 17 | 75W | 120 | 2700K | 1020 | 60 | 7000cd | 94 | 15° | 55 | 0.97 | Yes |
| 78468 | LED17PAR38/PRO/927/NFL25/P3 | 17 | 90W | 120 | 2700K | 1020 | 60 | 4400cd | 94 | 25° | 55 | 0.97 | Yes |
| 78469 | LED17PAR38/PRO/927/FL40/P3 | 17 | 90W | 120 | 2700K | 1020 | 60 | 2080cd | 94 | 40° | 55 | 0.97 | Yes |
| 78462 | LED18PAR38/PRO/930/SP12/P3 | 18 | 90W | 120 | 3000K | 1175 | 65 | 17500cd | 92 | 12° | 55 | 0.97 | Pending |
| 78480 | LED17PAR38/PRO/935/SP12/P3 | 17 | 90W | 120 | 3500K | 1250 | 70 | 18500cd | 92 | 12° | 55 | 0.97 | Pending |
| 78481 | LED17PAR38/PRO/935/WSP15/P3 | 17 | 90W | 120 | 3500K | 1075 | 63 | 7700cd | 94 | 15° | 65 | 0.97 | Yes |
| 78470 | LED18PAR38/PRO/940/SP12/P3 | 18 | 90W | 120 | 4000K | 1150 | 64 | 16000cd | 95 | 12° | 85 | 0.97 | Pending |
| 78471 | LED17PAR38/PRO/940/WSP15/P3 | 17 | 90W | 120 | 4000K | 1150 | 68 | 7850cd | 94 | 15° | 70 | 0.97 | Yes |
| 78472 | LED17PAR38/PRO/940/NFL25/P3 | 17 | 90W | 120 | 4000K | 1150 | 68 | 5000cd | 94 | 25° | 70 | 0.97 | Yes |
| 78473 | LED17PAR38/PRO/940/FL40/P3 | 17 | 90W | 120 | 4000K | 1150 | 68 | 2250cd | 94 | 40° | 75 | 0.97 | Yes |

Ordering Guide

| | | | | | | | | | | | |
|------------|---|---|----------|------------------------|----------|---|----------|-----------|---------------|----------|-----------|
| LED | 17 | PAR38 | / | PRO | / | 827 | / | FL | 40 | / | P3 |
| LED Lamps | Wattage: 7, 8, 10, 11, 13, 17, 18 | Lamp type: PAR38, PAR30LN, PAR30, PAR20 | | Professional Series | | CRI=80 Color Temp. 2700K, 3000K 3500K, 4000K | | Flood | Beam Angle | | PRO 3 |

Energy Savings

| Product Description | LED Life (hrs.) | Similar Halogen | Halogen Lumens | Watts Saved | Energy Savings* | Energy Savings per Year | LED Life vs. Incandescent |
|---------------------|-----------------|-----------------|----------------|-------------|-----------------|-------------------------|---------------------------|
| LED7PAR20 | 50,000 | 50W PAR20 | 460 | 43 | \$236.50 | \$24.10 | 33X |
| LED8PAR20 | 50,000 | 50W PAR20 | 460 | 42 | \$231.00 | \$23.60 | 33X |
| LED10PAR30 | 50,000 | 50W PAR30 | 660 | 40 | \$220.00 | \$22.48 | 33X |
| LED11PAR30 | 50,000 | 50W PAR30 | 660 | 39 | \$214.50 | \$21.92 | 33X |
| LED13PAR30LN | 50,000 | 75W PAR30LN | 1130 | 62 | \$341.00 | \$34.85 | 33X |
| LED17PAR38 | 50,000 | 90W PAR38 | 1310 | 73 | \$401.50 | \$41.03 | 33X |
| LED18PAR38 | 50,000 | 90W PAR38 | 1310 | 72 | \$396.00 | \$40.47 | 33X |

*Energy savings over life of lamp calculated at \$0.11/kWh at 50,000 hours

Lamp Dimensions

| | (A) MOL inches (mm) | (B) Diameter inches (mm) |
|---------|---------------------------|--------------------------------|
| PAR20 | 3.46 (88) | 2.52 (64) |
| PAR30 | 3.62 (92) | 3.78 (96) |
| PAR30LN | 4.69 (119) | 3.78 (96) |
| PAR38 | 5.00 (127) | 4.80 (122) |

The diagrams show four lamp models: PAR20, PAR30, PAR30LN, and PAR38. Each diagram includes dimension lines for 'A' (the total height from the base to the top of the lens) and 'B' (the diameter of the lens). The PAR20 is the smallest, followed by PAR30 and PAR30LN, and PAR38 is the largest.

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